APPENDIX (5)

CONTENTS

Description of PCBs

1. Block Chart ..... APX(5)-1

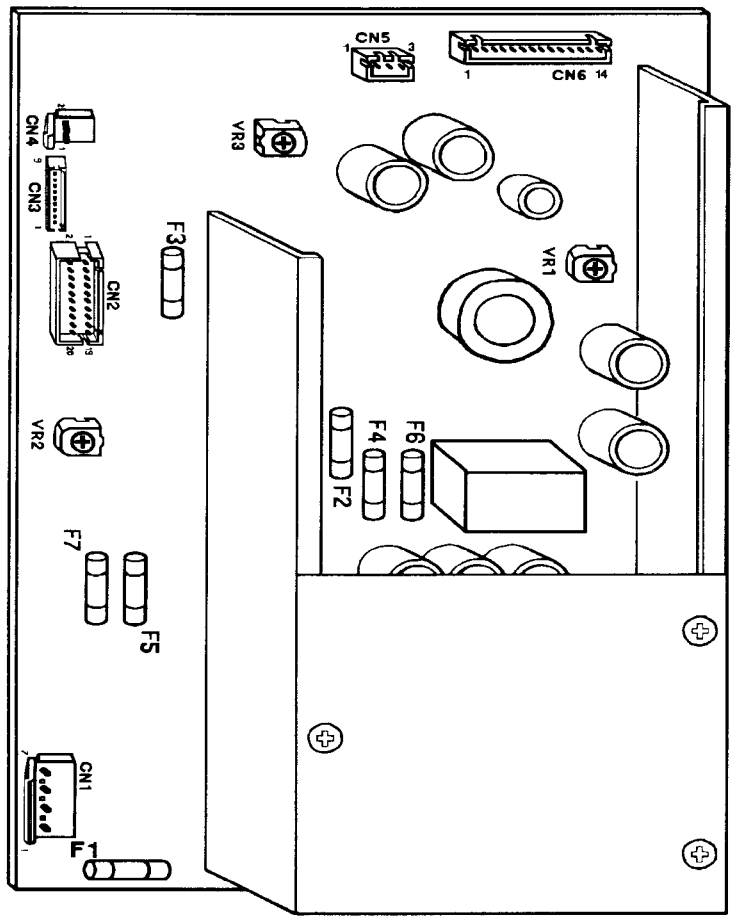
2. Location of PCBs ..... APX(5)-2

3. Main PCB ..... APX(5)-3

4. Power Supply PCB ..... APX(5)-10

5. Option PCB ..... APX(5)-13

4.Power Supply PCB(110V)



CN

CN1 : From Main power switch
CN2 : To Main PCB CN9
CN3 : To Safety Switches
CN4 : To Main PCB CN8
CN5 : For adjusting of TPH voltage
CN6 : To TPH

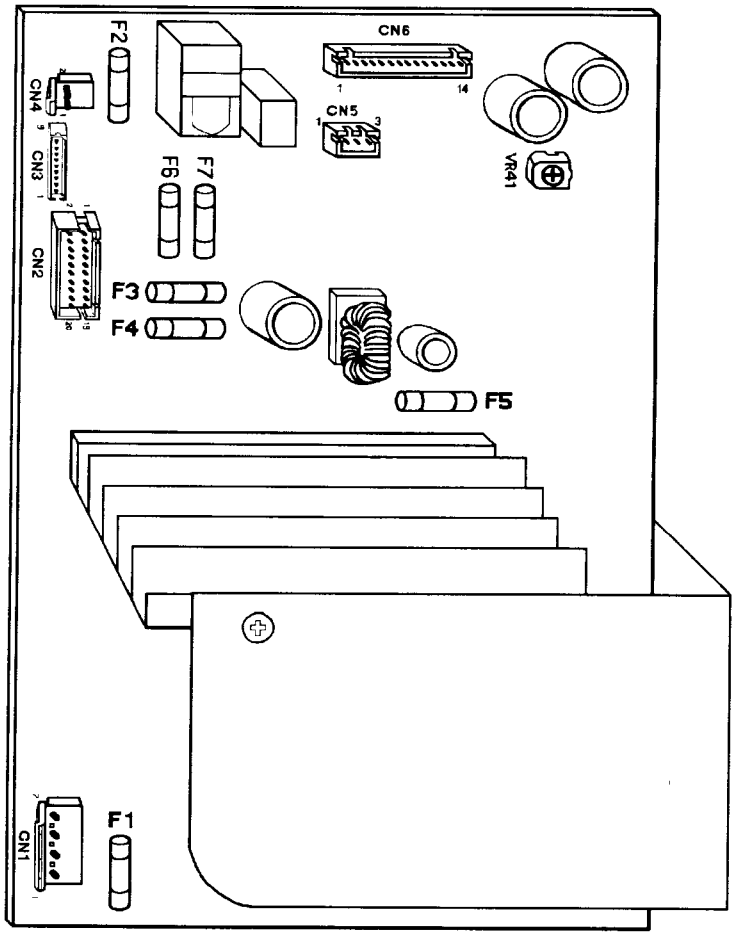
VR

VR1 : For factory adjustment only
VR2 : For factory adjustment only
VR3 : For adjusting of TPH voltage

FUSE

	120V Type	Voltage/Pin number	Area
F1	10A 125V	Main Fuse	Input Voltage
F2	8A 125V	+24V(CN4,Pin2)	Main PCB
F3	3.15A 125V	+24V(CN2,Pin15,16,19 & 20)	Main PCB
F4	3.15A 125V	+24V(CN2,Pin17 & 18)	Main PCB
F5	1A 125V	-12V(CN2,Pin1)	Main PCB
F6	3.15A 125V	+24V(CN3)	All Safety Switches
F7	1A 125V	+12V(CN2,Pin3)	Main PCB

Power Supply PCB(220-240V)



CN

CN1 : From Main power switch
CN2 : To Main PCB CN9
CN3 : To Safety Switches
CN4 : To Main PCB CN8
CN5 : For adjusting of TPH voltage
CN6 : To TPH

VR

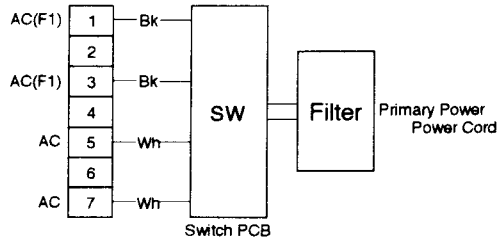
VR41 : For adjustment of TPH voltage

FUSE

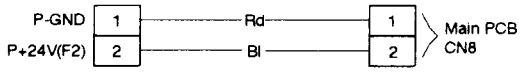
	220-240V Type	Voltage/Pin number	Area
F1	4A 250V	Main Fuse	Input Voltage
F2	6.3A 250V	+24V(CN4,Pin2)	Main PCB
F3	3.15A 250V	+24V(CN2,Pin15,16,19 & 20)	Main PCB
F4	3.15A 250V	+24V(CN2,Pin17 & 18)	Main PCB
F5	3.15A 250V	-12V(CN2,Pin1)	Main PCB
F6	1A 250V	+24V(CN3)	All Safety Switches
F7	1A 250V	+12V(CN2,Pin3)	Main PCB

Power Supply PCB

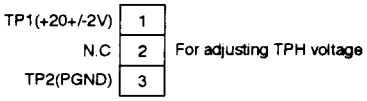
CN1 7PINS



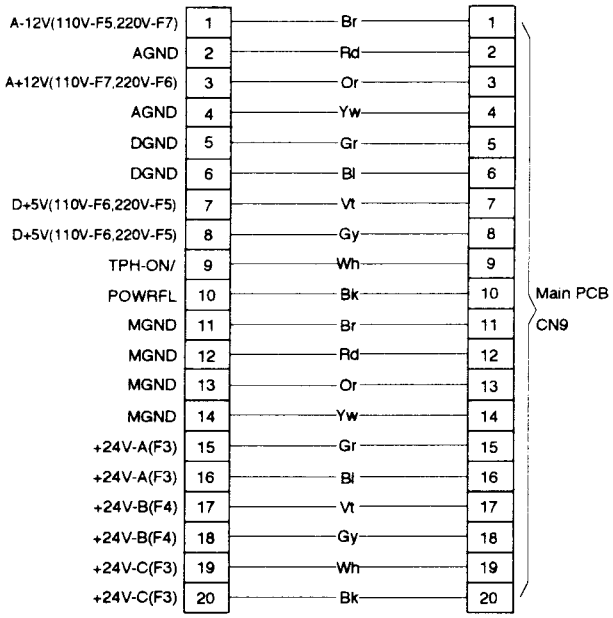
CN4 2PINS



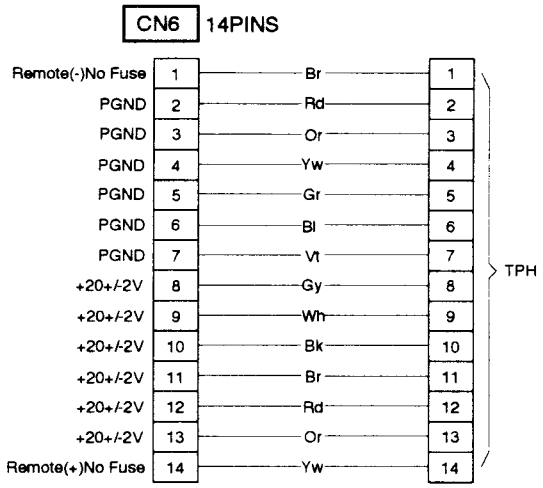
CN5 3PINS



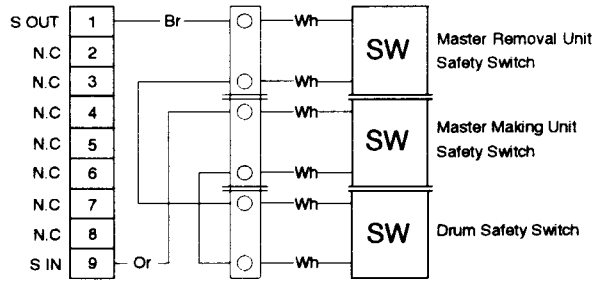
CN2 20PINS



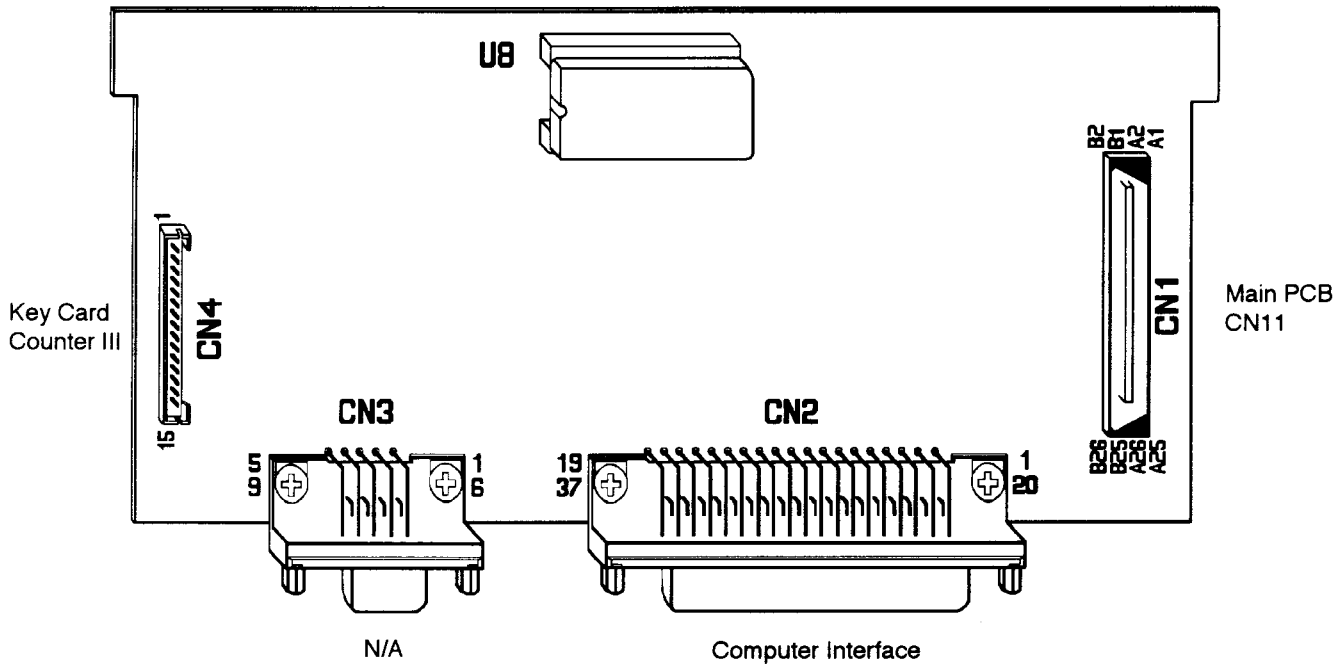
CN6 14PINS



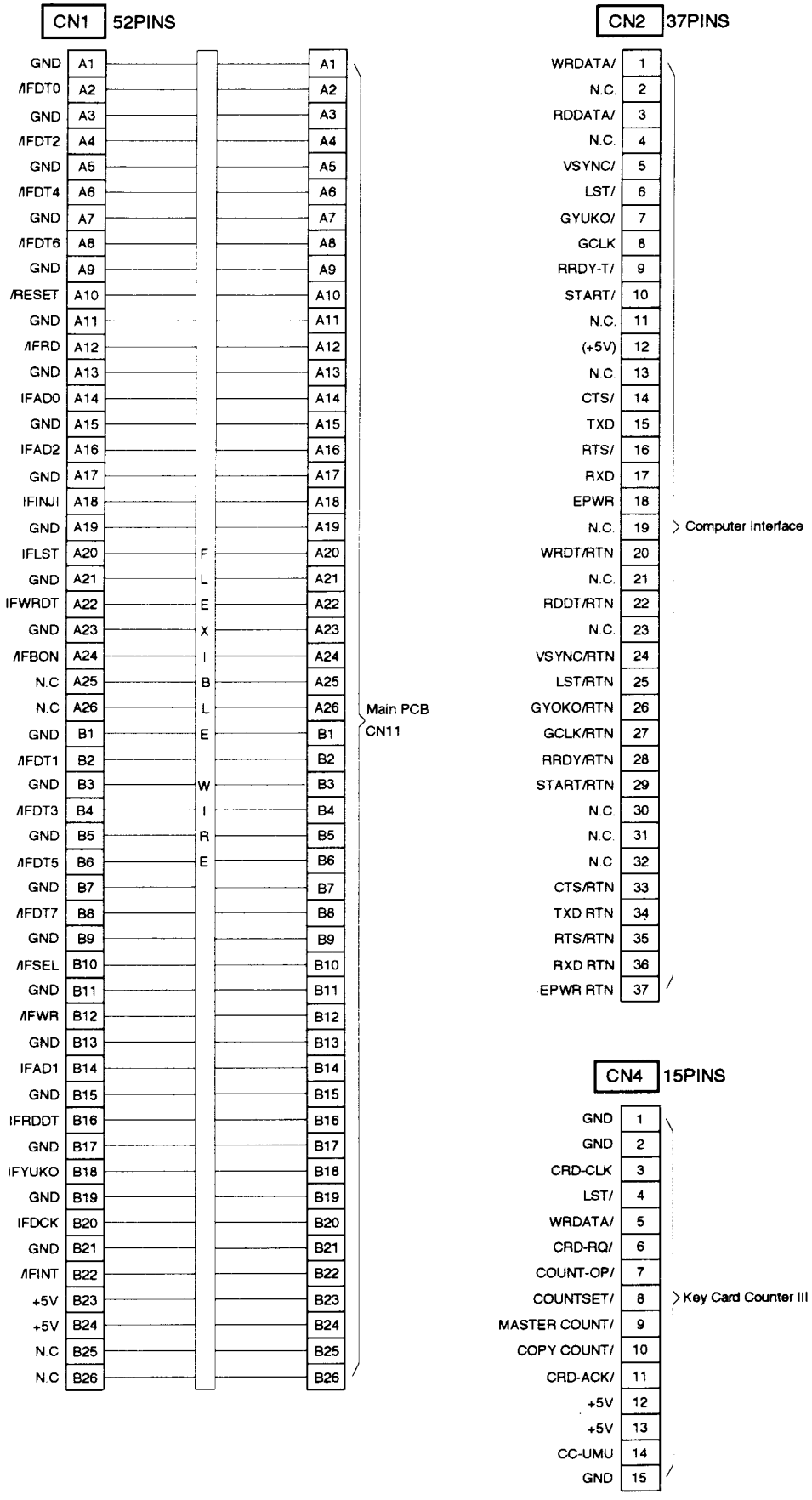
CN3 9PINS



5. Option PCB


U8
B2
B1
A2
A1
CN1
Main PCB
CN11
Key Card
Counter III
CN4
1
15
CN3
5
9
1
6
CN2
19
37
1
20
B26
B25
A26
A25
N/A
Computer Interface

Option PCB


CN1 52PINS
GND A1 A1
/FDT0 A2 A2
GND A3 A3
/FDT2 A4 A4
GND A5 A5
/FDT4 A6 A6
GND A7 A7
/FDT6 A8 A8
GND A9 A9
/RESET A10 A10
GND A11 A11
/FRD A12 A12
GND A13 A13
IFAD0 A14 A14
GND A15 A15
IFAD2 A16 A16
GND A17 A17
IFINJI A18 A18
GND A19 A19
IFLST A20 A20
GND A21 A21
IFWRDT A22 A22
GND A23 A23
/FBON A24 A24
N.C A25 A25
N.C A26 A26
GND B1 B1
/FDT1 B2 B2
GND B3 B3
/FDT3 B4 B4
GND B5 B5
/FDT5 B6 B6
GND B7 B7
/FDT7 B8 B8
GND B9 B9
/FSEL B10 B10
GND B11 B11
/FWR B12 B12
GND B13 B13
IFAD1 B14 B14
GND B15 B15
IFRDDT B16 B16
GND B17 B17
IFYUKO B18 B18
GND B19 B19
IFDCK B20 B20
GND B21 B21
/FINT B22 B22
+5V B23 B23
+5V B24 B24
N.C B25 B25
N.C B26 B26
FLEXIBLE WIRE
Main PCB CN11
CN2 37PINS
WRDATA/ 1
N.C. 2
RDDATA/ 3
N.C. 4
VSYNC/ 5
LST/ 6
GYUKO/ 7
GCLK 8
RRDY-T/ 9
START/ 10
N.C. 11
(+5V) 12
N.C. 13
CTS/ 14
TXD 15
RTS/ 16
RXD 17
EPWR 18
N.C. 19
WRDT/RTN 20
N.C. 21
RDDT/RTN 22
N.C. 23
VSYNC/RTN 24
LST/RTN 25
GYOKO/RTN 26
GCLK/RTN 27
RRDY/RTN 28
START/RTN 29
N.C. 30
N.C. 31
N.C. 32
CTS/RTN 33
TXD RTN 34
RTS/RTN 35
RXD RTN 36
EPWR RTN 37
Computer Interface
CN4 15PINS
GND 1
GND 2
CRD-CLK 3
LST/ 4
WRDATA/ 5
CRD-RQ/ 6
COUNT-OP/ 7
COUNTSET/ 8
MASTER COUNT/ 9
COPY COUNT/ 10
CRD-ACK/ 11
+5V 12
+5V 13
CC-UMU 14
GND 15
Key Card Counter III